

U.S. Department of Labor
Solicitation No. DOL099RB20702
New Dormitory Buildings
St. Louis Job Corps Center
St. Louis, MO

Amendment No. 2

Solicitation No. DOL099RB20663

Amendment 2

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SECTION 1 - RESPONSE TO QUESTIONS

1. Please note a couple of mistakes/exclusions contained in Amendment #1. On page "Amendment 1-7", Section 3 – Changes To Drawings, it tells us to reference attached sheets Amend #1-1, Amend #1-2, Amend #1-3, Amend #1-4. The sheet that we THINK is SUPPOSED to be Amend #1-1 is NOT labeled and appears to be incomplete. The sheet that we THINK is SUPPOSED to be Amend #1-6 is completely blank except for the letters "SG". Please reissue these sheets properly.

Response: See Changes under Section 3 of this Amendment.

2. Currently, the plans only show signage on the bathrooms. But I know that by code, the Stairwells, Electrical rooms, and Mechanical rooms will require signage. And will the actual dorm rooms/suites require signage as well? Please clarify.

Response: See Changes under Section 3 of this Amendment.

3. There is no "attic draft stopping" shown. Are any draft stops required in the attic?

Response: In each dormitory attic, the contractor shall construct vertical attic draft stopping to compartmentalize each attic in sections with each compartment section consisting of a maximum area of 3,000 square feet. Draft stopping materials shall be in accordance with the International Building Code 2006. The contractor shall develop a coordinated shop drawing submittal for review that maintains the attic ventilation shown on the contract documents and that is coordinated with the required penetrations for the building systems contained in the attic.

4. I was wondering if you have a copy of the contract the general contractor would have to sign with the government for the St. Louis Job Corp project?

Response: The solicitation announcement, including the forms, contract documents and posted amendments are the contract for this project.

5. Spec Section 01500, Item 2.E; Is an Owner's field office trailer required or can one of the existing buildings on site be utilized?

Response: Owner's field office trailer is required for this project per the Specification Section 01500.

6. Spec Section 01500, Item 3.D; Are all of the amenities for the Owner's field office, including the computer and printer, required or are there on-site items that may be used?

Response: The Owner's field office trailer equipment is required for this project per Specification Section 01500.

7. Spec Section 01500, Item 2.B.2; Is a construction fence around the entire construction site required?

Response: Portable Chain-Link Fence around the entire construction site is required. The limits vary in early phases of the construction. See Sheet A1-1, A1-2, A1-3, A1-4 and Civil drawings for more information.

8. Will bids be read publicly aloud?

Response: Bids will be publicly read.

9. **Spec Section 07531, Item 3.8.A; Is testing of the roof system required? If so, please identify what test procedures need to be performed.**

Response: The roof systems shall be tested per the roofing manufacturer specifications as required to certify the roofing warranties.

10. **Spec Section 08711, Item 3.2.A; Is testing of the door hardware required? If so, please identify what test procedures or inspections need to be performed?**

Response: The door hardware systems shall be tested per the door hardware manufacturer specifications as required to certify the hardware warranties.

11. **A general note under the water main keynotes on Sheet C6 states that the scope of work is to include work shown on Sheet C11. Please provide Sheet C11.**

Response: The parenthetical note found on sheet C6 under the heading WATER MAIN KEYNOTES which reads "all water main work done by contractor, including work on sheet C11" should read "ALL WATER MAIN WORK DONE BY CONTRACTOR, INCLUDING WORK ON SHEETS C9 AND C10".

12. **Group 26 is utilized 2 times on the door schedule, but is omitted from the hardware groups specification. Please clarify.**

Response: There is no Group 26; it should read Group 16.

13. **Are the scheduled wood doors within the units to be hollow core or solid core? The specification section includes criteria for both, and the schedule gives no indication of any core type.**

Response: All wood doors within the dorm units shall be solid core.

14. **Spec Section 15010, Item 1.20 and Spec Section 15990, Item 3.1.C; Is the testing and balancing of the HVAC system by an independent agency required?**

Response: The testing and balancing is required to be by an independent agency.

15. **Spec Section 15995, Item 3.8.A; Can the mockup unit of each commissioned system become a part of the completed scope of work?**

Response: When accepted by the quality control team, the mockup unit of each commissioned system can be a part of the completed scope of work.

16. **Solicitation Pg 1 states to include two copies with the original for bid submission and Attachment B-1 states to include four copies. Which is correct?**

Response: The bidder shall submit the original and four copies per Attachment B.

17. **Since bidder's qualifications are required, is there a proposal format that must be utilized?**

Response: Regarding the bidder qualifications, the bidder should contact their local office of the U. S. Small Business Administration regarding qualification forms.

18. Amendment 1 discusses the demolition scope of work prior to the dormitory construction. Please provide the full scope of work for the separate contract. Will the Demolition Contractor be responsible for foundation removal for the buildings 304, 308, 230, 230A, 237, 234A and East Wing of 234 in the separate prior contract?

Response: As shown on A1-2, the Demolition Contractor is responsible for foundation removal for the building 304, 308, 203, 203A, 237 and East Wing of 234.

19. The Prebid Conference Record states that bids are to be submitted to both Mak Architects and DOL Contract Contact. Does the original or copy of the bid get submitted to Monica Gloster in Washington DC at the time of bid or will the Center submit a copy to her?

Response: The bids are to be submitted to the office of MAK Architects as detailed in the solicitation. Ms. Gloster (or another Contracting Officer designated Contract Specialist) will be attending the bid opening in the office of MAK Architects and will be conducting the bidding opening.

20. Structural Drawings S2.1-S2.3; Please note the CMU wall, note 10, on the architectural drawings?

Response: The details of the 3'-4" high CMU Wall are also shown on architectural sheet A7-3.

21. The Solicitation Synopsis notes that "the bid opening date is scheduled for July 22, 2009 at 2:00 PM, CDT at the A/E's office mentioned above". The assumption is that the bidding general contractors will therefore be allowed to be present at the bid opening and that the bids will be publicly read. Please verify as such, or advise to the contrary.

Response: Contractors are allowed to be present at the bid opening, and the bids will be publicly read.

22. I am bidding out the granite vanity tops for this project to 3 different contractors. In the specs and on the plans the only thing that it states is that the vanity tops are going to be made using 2 cm granite. It does not say what the color is supposed to be anywhere. I cannot properly bid this project out unless I know the color of the granite. If you could please let me know what that is I would greatly appreciate the help.

Response: The granite color is shown on Sheet A7-4.

23. On the door schedule and the hollow metal door frame elevations the glass is called out as wired in the rated frames and doors. IBC 2006 has removed the wire glass exemption for its use in hazardous locations as it pertains to safety glazing. There are many door lites and sidelites on this project that are called out as "wired" that violate IBC 2006.

Response: IBC 2006 has not removed the wire glass exemption. Please refer to IBC 2006 Section 715.5 for more information.

24. Since the following list of doors are located in a P1 fire rated wall, shouldn't the doors & the glazing be fire rated as well? 1-D6, 1-D7, 1-D9, 1-D23, 1-D25, 1-D42, 1-D43, 1-D44, 1-D45, 1-D58, 1-D60, 2-D8, 2-D9, 2-D20, 2-D22, 2-D46, 2-D47, 2-D48, 2-D49, 2-D60, 2-D62, 3-D6, 3-D7, 3-D8, 3-D9, 3-D20, 3-D22, 3-D46, 3-D47, 3-D48, 3-D49, 3-D60 & 3-D62.

Response: CMU partitions are used throughout the buildings. Some of the P1 are not rated.

- 25. On Sheets A2-7 through A2-9, please designate where cross-sectional details 1 through 4 of Sheet A4-2 and 1 through 3 of Sheet A4-3 occur.**

Response: All detail marks for Wall Sections are shown on Building Elevations Sheets A3-1, A3-2, A3-3, A3-4 & A3-5.

- 26. On Sheet C2, Note 6 is called out to be 2" asphalt over 6" concrete over 4" rock base and Note 7 is called out to be 4" asphalt over 6" rock base. Is the plan sheet noted correctly to have Note 6 for the parking areas and Note 7 for the drive lanes? Please clarify.**

Response: Yes, the notations are correct. The thinner pavement section is temporary in the sense that it is anticipated that it will be removed and relocated at the time Buildings 234 and 235 are removed.

- 27. What is the duration for the architect's and owner's submittal review? Division 01 specifications refer to a section titled "Submittal Procedures" however these have not been provided.**

Response: See Changes under Section 2 of this Amendment.

- 28. Section 15610 - Specification indicates minimum efficiency of 94%, drawing M-10 indicates an AFUE rating of 90-91%; which is correct?**

Response: 94% is correct.

- 29. Drawing M-10 - RTU-1 is scheduled, however RTU-2 is shown on drawings. Are there two types of rooftop units?**

Response: M-10 is correct. There is only 1 type of rooftop unit.

- 30. Section 15800, 3.7 - will low pressure "snaplock" round ductwork require longitudinal sealing as well as transverse?**

Response: Yes.

- 31. Section 15971 -Will a graphical user interface be required to control all HVAC units from a central or remote location?**

Response: No, a graphical user interface is not specified.

- 32. Section 15971 -Is BACnet acceptable instead of Lon-based thermostats?**

Response: No, the owner has requested the specified thermostat.

- 33. Section 15971 -Will conventional 7-day programmable thermostats be acceptable instead of specified?**

Response: No.

- 34. Can pre-insulated line set be used in place of rigid copper?**

Response: Yes.

- 35. Civil note 19 indicates concrete encasement for the duct bank however, 5/E23 indicates sand/limestone. Please clarify.**

Response: The conduits shall be encased in concrete in the event the cover is less than 36". Detail 5/E-23 shall be omitted.

36. Can MC cable be used between light fixtures in hard ceilings?

Response: Yes, within the length constraints per the contract document specifications..

37. Can PVC be used at masonry wall?

Response: PVC can only be used for waste and vent piping in masonry walls.

38. What is the tentative start date?

Response: The Notice of Award will be issued per the time periods detailed in the contract solicitation documents.

39. Can a Rigid X Grid be used instead of Black Iron for the drywall ceilings?

Response: Drywall grid systems for ceiling by Armstrong are listed as an approved equal product under Specification Section 09260 paragraph C.1.a.

40. Please provide Division 0 - Procurement and Contracting Requirements items listed in Section C.

Response: The procurement and contracting requirement items are the IFB documents and amendments issued by this Solicitation.

41. Reference Specification Section 01310-4 and Specification Section 01410-8 and 9: The specifications reference a Project Superintendant and Quality Control Manager. Can the same person serve both roles if they meet the qualifications of each section?

Response: The Quality Control Manager is a separate staff member from the Project Superintendent. One staff member can not fill both roles.

42. Reference Specification Section 01500-3, Paragraphs D and E: Please advise if two separate temporary offices are required to be included in our proposal.

Response: Two separate temporary offices are required per Specification Section 01500.

43. Reference Specification Section 02222 – Selective Building Demolition: Paragraph 1.02.B describes the types of selective demolition work for this project. This paragraph lists the interior building demolition and removal of kitchen equipment. However, the drawing A1-2 indicates that all building demolition down to the foundations or basement of existing buildings shall be by others. In addition, the drawings do not indicate any kitchen equipment to be removed. Please clarify the scope of the selective building demolition work and the kitchen equipment removal work for this project.

Response: No kitchen equipment removal is required. All demolition work is shown on A1-2 and A1-3.

44. Reference Geotechnical Report, Drawing C-2 and Drawing A1-4: The Geotechnical Reports indicates we are to remove 2' of existing fill under all roads and parking areas. The drawings indicate we are to install 6" sub base only. Please advise if we will be required to over excavate under all roads and parking areas.

Response: No over excavation is required under roads and parking areas.

45. Reference Drawing C-4: The 48" sewer pipe shown in the middle of the plan has a note indicating we are to PLUG. Please confirm that the intention is to plug the existing 12" storm sewer entering the manhole and not the 48" sewer line.

Response: It is intended that only the 12" storm sewer be plugged.

46. Reference Drawing C-4: Please confirm that the existing 12" storm sewer (TBA) is to be abandoned in place and will not be removed.

Response: The noted 12" storm sewer noted (TBA) is to be abandoned in place and does not need to be removed.

47. Reference Drawing C-4. Please confirm that the 18" VCP (TBA&F) is to be plugged and filled with flowable fill. If so, please specify the compressive strength of the flowable fill to be installed.

Response: The 18" VCP noted (TBA&F) is to be abandoned in place and filled with grout material having a minimum compressive strength of 2,000 psi at 28 days.

48. Reference Drawing C-4: Please advise if the 84" CMP pipe for the underground storage facility is to be solid or perforated pipe. Additionally, what is the extent of geotechnical fabric required at the underground storage facility?

Response: The pipe is to be solid. There is no geotechnical fabric required at the underground storage facility.

49. Reference Drawing C10 – Site Details and Specification Section 02630 – Storm Drainage: Drawing C-10 identifies the detention storage pipes as 84" CMP. However, Specification Section 02630 does not include product specification for CMP materials. Please specify the material requirements for the detention storage pipe.

Response: The pipe shall conform to AASHTO M36 Zinc Coated (Galvanized) Corrugated Iron or Steel Culvert Pipe or AASHTO M196 Corrugated Aluminum Culvert Pipe. The minimum pipe gauge shall be 14.

50. Reference Drawing A1-2 and Drawing A1-4: Drawing A1-2 indicates that Buildings 230A, 304 and 308 will be removed down to footing by others. Please confirm that the footings will be removed in their entirety by others. This includes all superstructure, slab on grade, foundation walls and continuous footers. If not, please identify the scope of work to be included in our proposal as it relates to the removal of Buildings 230A, 304 and 308.

Response: Building 230A, 304 and 308 will be removed in their entirety including superstructure, slab and footing by others.

51. Reference Drawing A1-2: Drawing A1-2 indicates Buildings 230 and 234 will be removed down to basement by others. Please confirm that these structures will be removed in their entirety by others including all superstructure, slab on grade, foundation walls and continuous footers. If not, please identify the scope of work to be included in our proposal as it relates to the removal of Buildings 230 and 234.

Response: Building 234 East Wing will be removed in its entirety including superstructure, basement and footing by others. Building 230 will be removed in its entirety including superstructure and basement foundation wall. Basement slab and footing is to remain and ready for soil remediation. See Site Section D-D and Section E-E on Sheet A1-4 for more information.

52. **Reference Drawing A1-3:** The legend shows 12" VCP (3'-4') with a dashed line as indicating we are to remove existing sewer line, 12" VCP at 3'-4' below grade in its entirety. Does this also mean, for example, that we are to remove the 18" VCP (19'-20') shown vertically on the right side of the drawing in its entirety at a depth of 19'-20' below grade or will this work be performed during the demolition phase of the contract?

Response: The 18" VCP (19'-20') sewer shall be abandoned in place. Please noted that the legend is different from removed dashed line. In general, all existing utility is to remain or abandoned in place where it is below soil remediation depth.

53. **Reference Drawing A7-7: Note 1 under the Fixture/Accessory anchoring diagram indicates all wood blocking is to be treated and installed at a minimum depth of 3". Please advise if this blocking is to be fire treated or pressure treated. Also, please confirm that the note indicating the blocking to be installed a minimum of 3" thick is correct.**

Response: Minimum 3" (two 2x back to back) pressure treated wood blocking is required for the Fixture/Accessory anchoring.

54. **Are the Form of Contract and Specification Section 00 on another attachment?**

Response: The stated documents are available only on the website and are downloadable to standard local printers.

54. **I am trying to find additional information about Small Business Size Standard is \$33.5 Million, and 100% Small Business Set-Aside Acquisition. I have not been able to find this information in the Project Manual or the Solicitation.**

Response: The U.S. Small Business Administration provides a table of small business size which is matched to the NIACS (North American Industry Classification System) codes. It is recommended that you download this information from the SBA web site or contact the SBA district office at: St. Louis District Office 700 N. Broadway, Suite 1500; St. Louis, MO; 63102; Tel: 314 539-6600.

55. **According to the list of pre-bid attendee's and plan holders it seems there are several firms that exceed the size standard of \$33.5 million in average annual receipts. As required by the federal Acquisition Regulations, 48 CFR part 19, would this exclude these contractors from award of this project?**

Response: Qualifications of the apparent low bidder will be evaluated after the bid opening during the bid evaluation by the Government, in accordance with FAR 48 CFR part 9-1, to determine eligibility.

SECTION 2 - CHANGES TO SPECIFICATION

Revise or add specifications sections as outlined below according to the following text in **BOLD**:

DIVISION 1 - GENERAL REQUIREMENTS SECTION 01330 SUBMITTAL PROCEDURES

- a. **Add Section 01330 to Division 1.**

DIVISION 10 - SPECIALTIES SECTION 10200 LOUVERS AND VENTS

- a. **Delete architectural Section 10200 Louvers and Vents in its entirety.**
- b. **See Section 15800, Paragraph 2.18 for Fixed Blade Louvers specifications.**

DIVISION 10 - SPECIALTIES SECTION 10432 INTERIOR SIGNAGE

- a. **Delete Section 10432 Interior Signage in its entirety.**

DIVISION 10 - SPECIALTIES SECTION 10400 SIGNAGE

- a. **Add Section 10400 to Division 10.**

DIVISION 12 - FURNISHINGS SECTION 12484 FLOOR MATS AND FRAMES

- a. **Change paragraph 2.1 B. 1. to read as follows**
 1. **Tread Inserts: Minimum 32 oz./yd. exterior carpet. Each carpet fiber and monofilament shall be fusion-bonded to a rigid two-ply backing to prevent fraying and supplied in continuous splice-free lengths.**

SECTION 3 - CHANGES TO DRAWINGS

Add the following sheets as outlined below.

1. REISSUE INCOMPLETE AMENDMENT #1 DRAWINGS

- a. AMEND #1-1
- b. AMEND #1-6

2. SIGNAGE SCHEDULES, LOCATION & DETAILS

- a. Add signage schedules as shown on AMEND #2-1 & AMEND #2-2
- b. Exterior signage location as shown on AMEND #2-3
- c. Interior signage details as shown on AMEND #2-4

SECTION 4 - MANUFACTURE/PRODUCT APPROVAL REQUESTS

1. SECTION 08410 - ALUMINUM STOREFRONTS

- a. Aluminum Storefronts and Entrances as manufactured by Manko Window Systems Inc. are considered as an approved equal product.

2. SECTION 08520 - ALUMINUM WINDOWS

- a. Aluminum Projected-out Windows, Fixed Windows and Double-hung Windows as manufactured by Manko Window Systems Inc. are considered as an approved equal product.
- b. Aluminum Projected-out Windows, Fixed Windows and Double-hung Windows as manufactured by TRACO are considered as an approved equal product.

3. SECTION 08711 - DOOR HARDWARE

- a. Door Closers FALCON SC71, Panic Devices FALCON 25, Locksets FALCON M SERIES (must adhere to existing BEST MK SYSTEM) and Continuous Hinges IVES as manufactured by Ingersoll Rand are considered as an approved equal product.
- b. Door Closers HAGER 5100 GRADE I, Locksets HAGER 3100-LEVER (must adhere to existing BEST MK SYSTEM as manufactured by Hager Company are considered as an approved equal product.
- c. Mechanical Mortise Lock YM100, Exit Device YME1000 and Closer YMDC2000 as manufactured by Yale are considered as an approved equal product.

4. SECTION 12484 - FLOOR MATS AND FRAMES

- a. Entry Mats Model G-150U by Arden Architectural Specialties are considered as an approved equal product.

5. SECTION 15440 - PLUMBING FIXTURES AND TRIM

- a. Faucets, shower valves, and related products – Chicago Faucet and Simmons products are considered as an approved equal product.

6. SECTION 08711 - AIR DISTRIBUTION

- a. Air devices – Price products are not considered as an approved equal product.
- b. Fire dampers – NCA Metal Industries products are considered as an approved equal product.
- c. Motorized Dampers – NCA Metal Industries products are considered as an approved equal product.
- d. Louvers – NCA Metal Industries products are considered as an approved equal product.
- e. Exhaust Fans – Jenco products are considered as an approved equal product.

SECTION 01330 - SUBMITTAL PROCEDURES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. These specifications are governed by the order of precedence specified by Section G.18, Precedence of Specifications and Clauses, of the Contract which specifies the order of precedence as follows:
 - 1. Standard Clauses of the Contract (those bearing numbers beginning with "52").
 - 2. Supplemental Provisions.
 - 3. The Specifications, including any and all addenda.
 - 4. The Drawings.
- B. As required by Clause 52.236-5 of the contract, which is printed in full text in Section I, Contract Clauses, all equipment, materials, and articles incorporated into the work covered by this contract shall be new and of the most suitable grade for the purpose intended, unless otherwise specifically provided in this contract. References in the specifications to equipment, materials, articles, or patented processes by trade name, make, or catalog number, shall be regarded as establishing standard of quality and shall not be construed as limiting competition.

1.2 SUMMARY

- A. Section includes requirements for the submittal schedule and administrative and procedural requirements for submitting Shop Drawings, Product Data, Samples, and other submittals.
- B. Related Sections:
 - 1. Division 00 "Procurement And Contracting Requirements" for submitting Applications for Payment and the schedule of values.
 - 2. Division 01 Section "Construction Progress Documentation" for submitting schedules and reports, including Contractor's construction schedule.
 - 3. Division 01 Section "Photographic Documentation" for submitting selective construction video recordings.
 - 4. Division 01 Section "Operation and Maintenance Data" for submitting operation and maintenance manuals.
 - 5. Division 01 Section "Project Record Documents" for submitting record Drawings, record Specifications, record Product Data, and record Shop Drawings/Submittals.
 - 6. Division 01 Section "Demonstration and Training" for submitting video recordings of demonstration of equipment and training of Owner's personnel.
 - 7. Division 07 Section "Ethylene-propylene-diene-monomer (EPDM) Roofing" for submitting video recordings of roofing system installations.

1.3 DEFINITIONS

ST. LOUIS JOB CORPS - NEW DORMITORY BUILDINGS

- A. Action Submittals: Written and graphic information and physical samples that require Architect's responsive action. Action submittals are those submittals indicated in individual Specification Sections as action submittals.
- B. Informational Submittals: Written and graphic information and physical samples that do not require Architect's responsive action. Submittals may be rejected for not complying with requirements. Informational submittals are those submittals indicated in individual Specification Sections as informational submittals.
- C. File Transfer Protocol (FTP): Communications protocol that enables transfer of files to and from another computer over a network and that serves as the basis for standard Internet protocols. An FTP site is a portion of a network located outside of network firewalls within which internal and external users are able to access files.
- D. Portable Document Format (PDF): An open standard file format licensed by Adobe Systems used for representing documents in a device-independent and display resolution-independent fixed-layout document format.

1.4 ACTION SUBMITTALS

- A. Submittal Schedule: Submit a schedule of submittals, arranged in chronological order by dates required by construction schedule. Include time required for review, ordering, manufacturing, fabrication, and delivery when establishing dates. Include additional time required for making corrections or modifications to submittals noted by the Architect and additional time for handling and reviewing submittals required by those corrections.
 - 1. Coordinate submittal schedule with list of subcontracts, the schedule of values, and Contractor's construction schedule.
 - 2. Initial Submittal: Submit concurrently with start-up construction schedule. Include submittals required during the first 60 days of construction. List those submittals required to maintain orderly progress of the Work and those required early because of long lead time for manufacture or fabrication.
 - 3. Final Submittal: Submit concurrently with the first complete submittal of Contractor's construction schedule.
 - a. Submit revised submittal schedule to reflect changes in current status and timing for submittals.
 - 4. Format: Arrange the following information in a tabular format:
 - a. Scheduled date for first submittal.
 - b. Specification Section number and title.
 - c. Submittal category: Action, informational.
 - d. Name of subcontractor.
 - e. Description of the Work covered.
 - f. Scheduled date for Architect's final release or approval.
 - g. Scheduled dates for purchasing.
 - h. Scheduled dates for installation.
 - i. Activity or event number.

1.5 SUBMITTAL ADMINISTRATIVE REQUIREMENTS

SUBMITTAL PROCEDURES

ST. LOUIS JOB CORPS - NEW DORMITORY BUILDINGS

- A. Coordination: Coordinate preparation and processing of submittals with performance of construction activities.
1. Coordinate each submittal with fabrication, purchasing, testing, delivery, other submittals, and related activities that require sequential activity.
 2. Submit all submittal items required for each Specification Section concurrently unless partial submittals for portions of the Work are indicated on approved submittal schedule.
 3. Submit action submittals and informational submittals required by the same Specification Section as separate packages under separate transmittals.
 4. Coordinate transmittal of different types of submittals for related parts of the Work so processing will not be delayed because of need to review submittals concurrently for coordination.
 - a. Architect reserves the right to withhold action on a submittal requiring coordination with other submittals until related submittals are received.
- B. Processing Time: Allow time for submittal review, including time for resubmittals, as follows. Time for review shall commence on Architect's receipt of submittal. No extension of the Contract Time will be authorized because of failure to transmit submittals enough in advance of the Work to permit processing, including resubmittals.
1. Initial Review: Allow 7 days for initial review of each submittal. Allow additional time if coordination with subsequent submittals is required. Architect will advise Contractor when a submittal being processed must be delayed for coordination.
 2. Intermediate Review: If intermediate submittal is necessary, process it in same manner as initial submittal.
 3. Resubmittal Review: Allow 7 days for review of each resubmittal.
- C. Identification and Information: Identify and incorporate information in each electronic submittal file as follows:
1. Assemble complete submittal package into a single indexed file with links enabling navigation to each item.
 2. Name file with submittal number or other unique identifier, including revision identifier.
 - a. File name shall use Specification Section number followed by a decimal point and then a sequential number (e.g., 061000.01). Resubmittals shall include an alphabetic suffix after another decimal point (e.g., 061000.01.A).
 3. Provide means for insertion to permanently record Contractor's review and approval markings and action taken by Architect.
 4. Include the following information on an inserted cover sheet:
 - a. Project name.
 - b. Date.
 - c. Name and address of Architect.
 - d. Name of Contractor.
 - e. Name of firm or entity that prepared submittal.
 - f. Name of subcontractor.
 - g. Name of supplier.
 - h. Name of manufacturer.
 - i. Number and title of appropriate Specification Section.
 - j. Drawing number and detail references, as appropriate.
 - k. Location(s) where product is to be installed, as appropriate.
 - l. Related physical samples submitted directly.
 - m. Other necessary identification.

- D. Options: Identify options requiring selection by the Architect.
- E. Deviations: Identify deviations from the Contract Documents on submittals.
- F. Transmittal: Assemble each submittal individually and appropriately for transmittal and handling. Transmit each submittal using a transmittal form. Architect will return submittals, without review, received from sources other than Contractor.
 - 1. Transmittal Form: Provide locations on form for the following information:
 - a. Project name.
 - b. Date.
 - c. Destination (To:).
 - d. Source (From:).
 - e. Names of subcontractor, manufacturer, and supplier.
 - f. Category and type of submittal.
 - g. Submittal purpose and description.
 - h. Specification Section number and title.
 - i. Indication of full or partial submittal.
 - j. Drawing number and detail references, as appropriate.
 - k. Transmittal number, numbered consecutively.
 - l. Submittal and transmittal distribution record.
 - m. Remarks.
 - n. Signature of transmitter.
 - 2. On an attached separate sheet, prepared on Contractor's letterhead, record relevant information, requests for data, revisions other than those requested by Architect on previous submittals, and deviations from requirements in the Contract Documents, including minor variations and limitations. Include same identification information as related submittal.
- G. Resubmittals: Make resubmittals in same form and number of copies as initial submittal.
 - 1. Note date and content of previous submittal.
 - 2. Note date and content of revision in label or title block and clearly indicate extent of revision.
 - 3. Resubmit submittals until they are marked with approval notation from Architect's action stamp.
- H. Distribution: Furnish copies of final submittals to manufacturers, subcontractors, suppliers, fabricators, installers, authorities having jurisdiction, and others as necessary for performance of construction activities. Show distribution on transmittal forms.
- I. Use for Construction: Use only final submittals that are marked with approval notation from Architect's action stamp.

PART 2 - PRODUCTS

2.1 SUBMITTAL PROCEDURES

SUBMITTAL PROCEDURES

ST. LOUIS JOB CORPS - NEW DORMITORY BUILDINGS

- A. General Submittal Procedure Requirements: Prepare and submit submittals required by individual Specification Sections. Types of submittals are indicated in individual Specification Sections.
1. Post electronic submittals as PDF electronic files directly to Project Web site specifically established for Project.
 - a. Architect will return annotated file. Annotate and retain one copy of file as an electronic Project record document file.
 2. Closeout Submittals and Maintenance Material Submittals: Comply with requirements specified in Division 01 Section "Closeout Procedures."
 3. Certificates and Certifications Submittals: Provide a statement that includes signature of entity responsible for preparing certification. Certificates and certifications shall be signed by an officer or other individual authorized to sign documents on behalf of that entity.
 - a. Provide a digital signature with digital certificate on electronically-submitted certificates and certifications where indicated.
 4. Test and Inspection Reports Submittals: Comply with requirements specified in Division 01 Section "Quality Control, Testing And Inspection Services."
- B. Product Data: Collect information into a single submittal for each element of construction and type of product or equipment.
1. If information must be specially prepared for submittal because standard published data are not suitable for use, submit as Shop Drawings, not as Product Data.
 2. Mark each copy of each submittal to show which products and options are applicable.
 3. Include the following information, as applicable:
 - a. Manufacturer's catalog cuts.
 - b. Standard color charts.
 - c. Statement of compliance with specified referenced standards.
 - d. Testing by recognized testing agency.
 - e. Application of testing agency labels and seals.
 - f. Notation of coordination requirements.
 4. For equipment, include the following in addition to the above, as applicable:
 - a. Wiring diagrams showing factory-installed wiring.
 - b. Printed performance curves.
 - c. Operational range diagrams.
 - d. Clearances required to other construction, if not indicated on accompanying Shop Drawings.
 5. Submit Product Data before or concurrent with Samples.
 6. Submit Product Data in the following format:
 - a. PDF electronic file.
- C. Shop Drawings: Prepare Project-specific information, drawn accurately to scale. Do not base Shop Drawings on reproductions of the Contract Documents or standard printed data.
1. Preparation: Fully illustrate requirements in the Contract Documents. Include the following information, as applicable:
 - a. Identification of products.
 - b. Schedules.
 - c. Compliance with specified standards.
 - d. Notation of coordination requirements.
 - e. Notation of dimensions established by field measurement.
 - f. Relationship and attachment to adjoining construction clearly indicated.

- g. Seal and signature of professional engineer if specified.
 2. Sheet Size: Except for templates, patterns, and similar full-size drawings, submit Shop Drawings on sheets at least 8-1/2 by 11 inches (215 by 280 mm) but no larger than 30 by 42 inches (750 by 1067 mm).
 3. Submit Shop Drawings in the following format:
 - a. PDF electronic file.
- D. Samples: Submit Samples for review of kind, color, pattern, and texture for a check of these characteristics with other elements and for a comparison of these characteristics between submittal and actual component as delivered and installed.
1. Transmit Samples that contain multiple, related components such as accessories together in one submittal package.
 2. Identification: Attach label on unexposed side of Samples that includes the following:
 - a. Generic description of Sample.
 - b. Product name and name of manufacturer.
 - c. Sample source.
 - d. Number and title of applicable Specification Section.
 3. Disposition: Maintain sets of approved Samples at Project site, available for quality-control comparisons throughout the course of construction activity. Sample sets may be used to determine final acceptance of construction associated with each set.
 - a. Samples not incorporated into the Work, or otherwise designated as Owner's property, are the property of Contractor.
 4. Samples for Initial Selection: Submit manufacturer's color charts consisting of units or sections of units showing the full range of colors, textures, and patterns available.
 - a. Number of Samples: Submit one full set(s) of available choices where color, pattern, texture, or similar characteristics are required to be selected from manufacturer's product line.
 5. Samples for Verification: Submit full-size units or Samples of size indicated, prepared from same material to be used for the Work, cured and finished in manner specified, and physically identical with material or product proposed for use, and that show full range of color and texture variations expected. Samples include, but are not limited to, the following: partial sections of manufactured or fabricated components; small cuts or containers of materials; complete units of repetitively used materials; swatches showing color, texture, and pattern; color range sets; and components used for independent testing and inspection.
 - a. Number of Samples: Submit three sets of Samples.
 - 1) Submit a single Sample where assembly details, workmanship, fabrication techniques, connections, operation, and other similar characteristics are to be demonstrated.
 - 2) If variation in color, pattern, texture, or other characteristic is inherent in material or product represented by a Sample, submit at least three sets of paired units that show approximate limits of variations.
- E. Product Schedule: As required in individual Specification Sections, prepare a written summary indicating types of products required for the Work and their intended location. Include the following information in tabular form:
1. Type of product. Include unique identifier for each product indicated in the Contract Documents.
 2. Manufacturer and product name, and model number if applicable.
 3. Number and name of room or space.

ST. LOUIS JOB CORPS - NEW DORMITORY BUILDINGS

4. Location within room or space.
5. Submit product schedule in the following format:
 - a. PDF electronic file.
- F. Contractor's Construction Schedule: Comply with requirements specified in Division 01 Section "Construction Progress Documentation."
- G. Application for Payment: Comply with requirements specified in Division 00 "Procurement And Contracting Requirements."
- H. Schedule of Values: Comply with requirements specified in Division 00 "Procurement And Contracting Requirements."
 1. Submit Schedule of Values within 15 days of Notice of Award, unless indicated otherwise.
- I. Subcontract List: Prepare a written summary identifying individuals or firms proposed for each portion of the Work, including those who are to furnish products or equipment fabricated to a special design. Include the following information in tabular form:
 1. Name, address, and telephone number of entity performing subcontract or supplying products.
 2. Number and title of related Specification Section(s) covered by subcontract.
 3. Drawing number and detail references, as appropriate, covered by subcontract.
 4. Submit subcontract list in the following format:
 - a. PDF electronic file.
- J. Coordination Drawings: Comply with requirements specified in Division 01 Section "Project Management and Coordination."
- K. Qualification Data: Prepare written information that demonstrates capabilities and experience of firm or person. Include lists of completed projects with project names and addresses, contact information of architects and owners, and other information specified.
- L. Welding Certificates: Prepare written certification that welding procedures and personnel comply with requirements in the Contract Documents. Submit record of Welding Procedure Specification and Procedure Qualification Record on American Welding Society (AWS) forms. Include names of firms and personnel certified.
- M. Installer Certificates: Submit written statements on manufacturer's letterhead certifying that Installer complies with requirements in the Contract Documents and, where required, is authorized by manufacturer for this specific Project.
- N. Manufacturer Certificates: Submit written statements on manufacturer's letterhead certifying that manufacturer complies with requirements in the Contract Documents. Include evidence of manufacturing experience where required.
- O. Product Certificates: Submit written statements on manufacturer's letterhead certifying that product complies with requirements in the Contract Documents.
- P. Material Certificates: Submit written statements on manufacturer's letterhead certifying that material complies with requirements in the Contract Documents.

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- Q. Material Test Reports: Submit reports written by a qualified testing agency, on testing agency's standard form, indicating and interpreting test results of material for compliance with requirements in the Contract Documents.
- R. Product Test Reports: Submit written reports indicating current product produced by manufacturer complies with requirements in the Contract Documents. Base reports on evaluation of tests performed by manufacturer and witnessed by a qualified testing agency, or on comprehensive tests performed by a qualified testing agency.
- S. Schedule of Tests and Inspections: Comply with requirements specified in Division 01 Section "Quality Requirements."
- T. Field Test Reports: Submit reports indicating and interpreting results of field tests performed either during installation of product or after product is installed in its final location, for compliance with requirements in the Contract Documents.
- U. Maintenance Data: Comply with requirements specified in Division 01 Section "Operation and Maintenance Data."

2.2 DELEGATED-DESIGN SERVICES

- A. Performance and Design Criteria: Where professional design services or certifications by a design professional are specifically required of Contractor by the Contract Documents, provide products and systems complying with specific performance and design criteria indicated.
 - 1. If criteria indicated are not sufficient to perform services or certification required, submit a written request for additional information to Architect.
- B. Delegated-Design Services Certification: In addition to Shop Drawings, Product Data, and other required submittals, submit digitally-signed PDF electronic file and 1 paper copy of certificate, signed and sealed by the responsible design professional, for each product and system specifically assigned to Contractor to be designed or certified by a design professional.
 - 1. Indicate that products and systems comply with performance and design criteria in the Contract Documents. Include list of codes, loads, and other factors used in performing these services.

PART 3 - EXECUTION

3.1 CONTRACTOR'S REVIEW

- A. Action and Informational Submittals: Review each submittal and check for coordination with other Work of the Contract and for compliance with the Contract Documents. Note corrections and field dimensions. Mark with approval stamp before submitting to Architect.
 - B. Project Closeout and Maintenance/Material Submittals: Refer to requirements in Division 01 Section "Closeout Procedures."
 - C. Approval Stamp: Stamp each submittal with a uniform, approval stamp. Include Project name and location, submittal number, Specification Section title and number, name of reviewer, date
- SUBMITTAL PROCEDURES

of Contractor's approval, and statement certifying that submittal has been reviewed, checked, and approved for compliance with the Contract Documents.

3.2 ARCHITECT'S ACTION

- A. General: Architect will not review submittals that do not bear Contractor's approval stamp and will return them without action.
- B. Action Submittals: Architect will review each submittal, make marks to indicate corrections or modifications required, and return it. Architect will stamp each submittal with an action stamp and will mark stamp appropriately to indicate action.
- C. Informational Submittals: Architect will review each submittal and will not return it, or will return it if it does not comply with requirements. Architect will forward each submittal to appropriate party.
- D. Partial submittals prepared for a portion of the Work will be reviewed when use of partial submittals has received prior approval from Architect.
- E. Incomplete submittals are not acceptable, will be considered nonresponsive, and will be returned without review.
- F. Submittals not required by the Contract Documents may not be reviewed and may be discarded.

END OF SECTION 01330

SECTION 10400 - SIGNAGE

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. These specifications are governed by the order of precedence specified by Section G.18, Precedence of Specifications and Clauses, of the Contract which specifies the order of precedence as follows:
 - 1. Standard Clauses of the Contract (those bearing numbers beginning with "52").
 - 2. Supplemental Provisions.
 - 3. The Specifications, including any and all addenda.
 - 4. The Drawings.
- B. As required by Clause 52.236-5 of the contract, which is printed in full text in Section I, Contract Clauses, all equipment, materials, and articles incorporated into the work covered by this contract shall be new and of the most suitable grade for the purpose intended, unless otherwise specifically provided in this contract. References in the specifications to equipment, materials, articles, or patented processes by trade name, make, or catalog number, shall be regarded as establishing standard of quality and shall not be construed as limiting competition.

1.2 SUMMARY

- A. This Section includes the following:
 - 1. Dimensional characters.
 - 2. Panel signs.
- B. Related Sections include the following:
 - 1. Division 01 Section "Temporary Facilities and Controls" for temporary Project identification signs and for temporary information and directional signs.

1.3 DEFINITIONS

- A. ADA-ABA Accessibility Guidelines: U.S. Architectural & Transportation Barriers Compliance Board's "Americans with Disabilities Act (ADA) Accessibility Guidelines for Buildings and Facilities; Architectural Barriers Act (ABA) Accessibility Guidelines."

1.4 SUBMITTALS

- A. Product Data: For each type of product indicated.
- B. Shop Drawings: Show fabrication and installation details for signs.
 - 1. Show sign mounting heights, locations of supplementary supports to be provided by others, and accessories.

2. Provide message list, typestyles, graphic elements, including tactile characters and Braille, and layout for each sign.
- C. Samples for Initial Selection: Manufacturer's color charts consisting of actual units or sections of units showing the full range of colors available for the following:
 1. Aluminum.
 2. Acrylic sheet.
- D. Samples for Verification: For each of the following products and for the full range of color, texture, and sign material indicated, of sizes indicated:
 1. Dimensional Characters: Full-size Samples of each type of dimensional character (letter, number, and graphic element).
 2. Aluminum: For each form, finish, and color, on 6-inch- (150-mm-) long sections of extrusions and squares of sheet at least 4 by 4 inches (100 by 100 mm).
 3. Panel Signs: Not less than 12 inches (305 mm) square.
- E. Sign Schedule: Use same designations indicated on Drawings.
- F. Maintenance Data: For signs to include in maintenance manuals.
- G. Warranty: Special warranty specified in this Section.

1.5 QUALITY ASSURANCE

- A. Fabricator Qualifications: Shop that employs skilled workers who custom-fabricate products similar to those required for this Project and whose products have a record of successful in-service performance.
- B. Source Limitations for Signs: Obtain each sign type indicated from one source from a single manufacturer.
- C. Regulatory Requirements: Comply with applicable provisions in ADA-ABA Accessibility Guidelines and ICC/ANSI A117.1.

1.6 PROJECT CONDITIONS

- A. Weather Limitations: Proceed with installation only when existing and forecasted weather conditions permit installation of signs in exterior locations to be performed according to manufacturers' written instructions and warranty requirements.

1.7 COORDINATION

- A. Coordinate placement of anchorage devices with templates for installing signs.

1.8 WARRANTY

ST. LOUIS JOB CORPS CENTER – NEW DORMITORY BUILDINGS

- A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of signs that fail in materials or workmanship within specified warranty period.
 - 1. Failures include, but are not limited to, the following:
 - a. Deterioration of metal and polymer finishes beyond normal weathering.
 - b. Deterioration of embedded graphic image colors and covering.
 - 2. Warranty Period: Five years from date of Final Acceptance.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Aluminum Castings: ASTM B 26/B 26M, of alloy and temper recommended by sign manufacturer for casting process used and for use and finish indicated.
- B. Acrylic Sheet: ASTM D 4802, Category A-1 (cell-cast sheet), Type UVA (UV absorbing).
- C. Applied Vinyl: Die-cut characters from vinyl film of nominal thickness of 3 mils (0.076 mm) with pressure-sensitive adhesive backing, suitable for exterior applications.

2.2 ALUMINUM DIMENSIONAL CHARACTERS

- A. Basis-of-Design Product: Subject to compliance with requirements, provide ASI-Modulex, Inc.; LC Series, or a comparable product by one of the following:
 - 1. Gemini, Inc.
 - 2. Innerface Sign Systems, Inc.
 - 3. Mohawk Sign Systems.
 - 4. Signature Signs, Incorporated.
 - 5. Or approved equal.
- B. Cast Characters: Produce characters with smooth flat faces, sharp corners, and precisely formed lines and profiles, free of pits, scale, sand holes, and other defects. Cast lugs into back of characters and tap to receive threaded mounting studs. Alloy and temper recommended by sign manufacturer for casting process used and for use and finish indicated. Comply with the following requirements.
 - 1. Character Material: Aluminum.
 - 2. Thickness: As indicated.
 - 3. Mounting: Concealed studs, noncorroding for substrates encountered.
 - 4. Finish: Anodized Aluminum.
- C. Dimensional Character Sign Schedule: See Signage Schedule.

2.3 PANEL SIGNS

- A. Basis-of-Design Product: Subject to compliance with requirements, provide ASI-Modulex, Inc.; InTac, or a comparable product by one of the following:
 - 1. Innerface Sign Systems, Inc.

SIGNAGE

2. Mohawk Sign Systems.
 3. Signature Signs, Incorporated.
 4. Or approved equal.
- B. Interior Panel Signs: Provide smooth sign panel surfaces constructed to remain flat under installed conditions within a tolerance of plus or minus 1/16 inch (1.5 mm) measured diagonally from corner to corner, complying with the following requirements:
1. Acrylic Sheet: 0.125 inch (3.17 mm) thick.
 2. Edge Condition: Square cut.
 3. Corner Condition: Square.
 4. Mounting: Unframed.
 - a. Mount as indicated on Sign Schedules.
 5. Color: As selected by Architect from manufacturer's full range.
 6. Tactile Characters: Characters and Grade 2 Braille raised 1/32 inch (0.8 mm) above surface with contrasting colors.
- C. Changeable Message Inserts: Fabricate signs to allow insertion of changeable messages in the form of slide-in inserts.
1. Furnish insert material and software for creating text and symbols for PC-Windows computers for Owner production of paper inserts.
- D. Tactile and Braille Sign: Manufacturer's standard process for producing text and symbols complying with ADA-ABA Accessibility Guidelines and with ICC/ANSI A117.1. Text shall be accompanied by Grade 2 Braille. Produce precisely formed characters with square-cut edges free from burrs and cut marks; Braille dots with domed or rounded shape.
1. Panel Material: Clear acrylic sheet with opaque color coating, subsurface applied.
 2. Raised-Copy Thickness: Not less than 1/32 inch (0.8 mm).
- E. Subsurface Copy: Apply minimum 4-mil- (0.10-mm-) thick vinyl copy to back face of clear acrylic sheet forming panel face to produce precisely formed opaque image. Image shall be free of rough edges.
- F. Panel Sign Schedule: See Signage Schedule.

2.4 ACCESSORIES

- A. Anchors and Inserts: Provide nonferrous-metal or hot-dip galvanized anchors and inserts for exterior installations and elsewhere as required for corrosion resistance. Use toothed steel or lead expansion-bolt devices for drilled-in-place anchors. Furnish inserts, as required, to be set into concrete or masonry work.

2.5 FABRICATION

- A. General: Provide manufacturer's standard signs of configurations indicated.
1. Welded Connections: Comply with AWS standards for recommended practices in shop welding. Provide welds behind finished surfaces without distortion or discoloration of exposed side. Clean exposed welded surfaces of welding flux and dress exposed and contact surfaces.

2. Mill joints to tight, hairline fit. Form joints exposed to weather to exclude water penetration.
3. Preassemble signs in the shop to greatest extent possible. Disassemble signs only as necessary for shipping and handling limitations. Clearly mark units for reassembly and installation, in location not exposed to view after final assembly.
4. Conceal fasteners if possible; otherwise, locate fasteners where they will be inconspicuous.

2.6 FINISHES, GENERAL

- A. Comply with NAAMM's "Metal Finishes Manual for Architectural and Metal Products" for recommendations for applying and designating finishes.
- B. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.
- C. Appearance of Finished Work: Variations in appearance of abutting or adjacent pieces are acceptable if they are within one-half of the range of approved Samples. Noticeable variations in the same piece are not acceptable. Variations in appearance of other components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

2.7 ALUMINUM FINISHES

- A. Clear Anodic Finish: Manufacturer's standard Class 1 clear anodic coating, 0.018 mm or thicker, over a satin (directionally textured) mechanical finish, complying with AAMA 611.

2.8 ACRYLIC SHEET FINISHES

- A. Colored Coatings for Acrylic Sheet: For copy and background colors, provide colored coatings, including inks, dyes, and paints, that are recommended by acrylic manufacturers for optimum adherence to acrylic surface and that are UV and water resistant for five years for application intended.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of work.
- B. Verify that items and electrical power are sized and located to accommodate signs.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

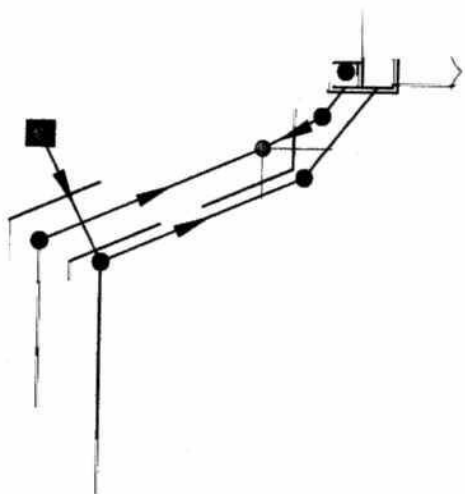
3.2 INSTALLATION

- A. Locate signs and accessories where indicated, using mounting methods of types described and complying with manufacturer's written instructions.
 - 1. Install signs level, plumb, and at heights indicated, with sign surfaces free of distortion and other defects in appearance.
 - 2. Interior Signs: Install signs on the centerline of door where applicable. Where doors have vision panels, install signs 1" from vision panels. All signs shall be installed at a height of 60 inches above finish floor to the centerline of signage.
- B. Door Surface-Mounted Signs: Comply with sign manufacturer's written instructions except where more stringent requirements apply.
 - 1. Two-Face Tape and Silicone: Mount signs to smooth, nonporous surfaces. Do not use tape for vinyl-covered or rough surfaces.
- C. Dimensional Characters: Mount characters using standard fastening methods to comply with manufacturer's written instructions for character form, type of mounting, wall construction, and condition of exposure indicated. Provide heavy paper template to establish character spacing and to locate holes for fasteners.
 - 1. Projected Mounting: Mount characters at projection distance from wall surface indicated.

3.3 CLEANING AND PROTECTION

- A. After installation, clean soiled sign surfaces according to manufacturer's written instructions. Protect signs from damage until acceptance by Owner.

END OF SECTION 10400





SIGNAGE SCHEDULE

EXTERIOR BUILDING IDENTIFICATION SIGNAGE		
BUILDING	SIGN DESCRIPTION	REMARK
DORM #1	DORMITORY C	AT NORTH-WEST CORNER OF ENTRANCE
DORM #11	DORMITORY B	AT NORTH-EAST CORNER OF ENTRANCE
DORM #111	HONOR DORMITORY B	AT NORTH END OF BLDG.
	DORMITORY A	AT NORTH-EAST CORNER OF ENTRANCE
	HONOR DORMITORY A	AT SOUTH END OF BLDG.
INTERIOR ROOM IDENTIFICATION SIGNAGE		
DORM #1	SIGN DESCRIPTION	REMARK
STAIR #1 / I-111	C-101 / STAIR #1	TYPE A
STO. #1 / I-112	C-102 / STOR. #1	TYPE A
4BR / I-123	C-103	TYPE A
4BR / I-140	C-104	TYPE A
4BR / I-124	C-105	TYPE A
4BR / I-139	C-106	TYPE A
4BR / I-125	C-107	TYPE A
4BR / I-138	C-108	TYPE A
4BR / I-126	C-109	TYPE A
4BR / I-137	C-110	TYPE A
2BR (HC) / I-127	C-111	TYPE A
RA #1 / I-107	C-112 / RA #1	TYPE A
STUDY / I-114	C-113 / STUDY	TYPE A
RA #2 / I-108	C-114 / RA #2	TYPE A
JAN. / I-115	C-115 / JAN.	TYPE A
LAUNDRY / I-116	C-116 / LAUNDRY	TYPE A
2BR (HC) / I-128	C-117	TYPE A
4BR / I-136	C-118	TYPE A
4BR / I-129	C-119	TYPE A
4BR / I-135	C-120	TYPE A
4BR / I-130	C-121	TYPE A
4BR / I-134	C-122	TYPE A
4BR / I-131	C-123	TYPE A
4BR / I-133	C-124	TYPE A
4BR / I-132	C-125	TYPE A
STO. #2 / I-121	C-126 / STOR. #2	TYPE A
STAIR #2 / I-120	C-127 / STAIR #2	TYPE A
HCT / I-106	C-128	TYPE B
STAIR #1 / I-211	C-201 / STAIR #1	TYPE A
MECH/ELEC #1 / I-213	C-202 / MECH. #1	TYPE A
4BR / I-224	C-203	TYPE A
4BR / I-241	C-204	TYPE A
4BR / I-225	C-205	TYPE A
4BR / I-240	C-206	TYPE A
4BR / I-226	C-207	TYPE A
4BR / I-239	C-208	TYPE A
4BR / I-227	C-209	TYPE A
4BR / I-238	C-210	TYPE A
2BR / I-228	C-211	TYPE A
RA #1 / I-207	C-212 / RA #1	TYPE A
STUDY / I-214	C-213 / STUDY	TYPE A

INTERIOR ROOM IDENTIFICATION SIGNAGE (CONT.)		
DORM #1	SIGN DESCRIPTION	REMARK
RA #2 / I-208	C-214 / RA #2	TYPE A
JAN. / I-215	C-215 / JAN.	TYPE A
LAUNDRY / I-216	C-216 / LAUNDRY	TYPE A
STO. #2 / I-223	C-216A / STOR. #2	TYPE A
MECH/ELEC #2 / I-217	C-216B / MECH. #1	TYPE A
2BR / I-229	C-217	TYPE A
4BR / I-237	C-218	TYPE A
4BR / I-230	C-219	TYPE A
4BR / I-236	C-220	TYPE A
4BR / I-231	C-221	TYPE A
4BR / I-235	C-222	TYPE A
4BR / I-232	C-223	TYPE A
4BR / I-234	C-224	TYPE A
4BR / I-233	C-225	TYPE A
MECH/ELEC #3 / I-222	C-226 / MECH. #3	TYPE A
STAIR #2 / I-220	C-227 / STAIR #2	TYPE A
TOILET / I-206	C-228 / TOILET	TYPE A
DORM #11	SIGN DESCRIPTION	REMARK
STAIR #2 / I-117	B-101 / STAIR #2	TYPE A
STO. #2 / I-118	B-102 / STOR. #2	TYPE A
4BR / I-134	B-103	TYPE A
4BR / I-135	B-104	TYPE A
4BR / I-133	B-105	TYPE A
4BR / I-136	B-106	TYPE A
4BR / I-132	B-107	TYPE A
4BR / I-137	B-108	TYPE A
4BR / I-131	B-109	TYPE A
4BR / I-138	B-110	TYPE A
2BR (HC) / I-130	B-111	TYPE A
RA #2 / I-108	B-112 / RA #2	TYPE A
LAUNDRY / I-113	B-113 / LAUNDRY	TYPE A
RA #1 / I-107	B-114 / RA #1	TYPE A
JAN. / I-112	B-115 / JAN.	TYPE A
STUDY / I-111	B-116 / STUDY	TYPE A
2BR (HC) / I-129	B-117	TYPE A
4BR / I-139	B-118	TYPE A
4BR / I-128	B-119	TYPE A
4BR / I-140	B-120	TYPE A
4BR / I-127	B-121	TYPE A
4BR / I-141	B-122	TYPE A
4BR / I-126	B-123	TYPE A
4BR / I-142	B-124	TYPE A
4BR / I-125	B-125	TYPE A
STAIR #4 / I-120	B-126A / STAIR #4	TYPE A
HONOR DORM / I-143	B-126	(2) TYPE A. ONE AT EACH DOOR
HONOR DORM / I-144	B-127	TYPE A
HCT / I-106	B-128	TYPE B

Project
NEW DOMITORY BUILDINGS
ST. LOUIS JOB CORPS CENTER
 4333 GOODFELLOW BLVD.
 ST. LOUIS, MISSOURI



MAK ARCHITECTS, INC.
 ARCHITECTURE PLANNING • INTERIOR DESIGN
 5928-N Olive Blvd., St. Louis, Missouri 63132
 (314) 997-3802 Fax (314) 998-3761

Comm. No.
 1204D

Drawing
 No.

Date
 7-9-09

AMEND #2-1

INTERIOR ROOM IDENTIFICATION SIGNAGE (CONT.)

DORM #III	RM. NAME / RM. NO.	SIGN DESCRIPTION	REMARK
	STAIR #2 / II-217	B-201 / STAIR #2	TYPE A
	MECH/ELEC #3 / II-219	B-202 / MECH. #3	TYPE A
	4BR / II-234	B-203	TYPE A
	4BR / II-235	B-204	TYPE A
	4BR / II-233	B-205	TYPE A
	4BR / II-236	B-206	TYPE A
	4BR / II-232	B-207	TYPE A
	4BR / II-237	B-208	TYPE A
	4BR / II-231	B-209	TYPE A
	4BR / II-238	B-210	TYPE A
	2BR / II-230	B-211	TYPE A
	R/A #2 / II-208	B-212 / R/A #2	TYPE A
	STO. #2 / II-224	B-213A / STOR. #2	TYPE A
	MECH/ELEC #2 / II-214	B-213B / MECH. #2	TYPE A
	LAUNDRY / II-213	B-213 / LAUNDRY	TYPE A
	R/A #1 / II-207	B-214 / R/A #1	TYPE A
	JAN. / II-212	B-215 / JAN.	TYPE A
	STUDY / II-211	B-216 / STUDY	TYPE A
	2BR / II-229	B-217	TYPE A
	4BR / II-239	B-218	TYPE A
	4BR / II-228	B-219	TYPE A
	4BR / II-240	B-220	TYPE A
	4BR / II-227	B-221	TYPE A
	4BR / II-241	B-222	TYPE A
	4BR / II-226	B-223	TYPE A
	4BR / II-242	B-224	TYPE A
	4BR / II-225	B-225	TYPE A
	STAIR #4 / II-220	B-226A / STAIR #4	TYPE A
	MECH/ELEC #1 / II-222	B-226B / MECH. #1	TYPE A
	HONOR DORM / II-243	B-226	TYPE A
	STO. #1 / II-223	B-227A / STOR. #1	TYPE A
	HONOR DORM / II-244	B-227	TYPE A
	TOILET / II-206	B-228 / TOILET	TYPE A
DORM #III			
	RM. NAME / RM. NO.	SIGN DESCRIPTION	REMARK
	STAIR #1 / III-117	A-101 / STAIR #1	TYPE A
	STO. #2 / III-118	A-102 / STOR. #2	TYPE A
	4BR / III-125	A-103	TYPE A
	4BR / III-142	A-104	TYPE A
	4BR / III-126	A-105	TYPE A
	4BR / III-141	A-106	TYPE A
	4BR / III-127	A-107	TYPE A
	4BR / III-140	A-108	TYPE A
	4BR / III-128	A-109	TYPE A
	4BR / III-139	A-110	TYPE A
	2BR (HC) / III-129	A-111	TYPE A
	R/A #1 / III-107	A-112 / R/A #1	TYPE A
	LAUNDRY / III-113	A-113 / LAUNDRY	TYPE A
	R/A #2 / III-108	A-114 / R/A #2	TYPE A

INTERIOR ROOM IDENTIFICATION SIGNAGE (CONT.)

DORM #III	RM. NAME / RM. NO.	SIGN DESCRIPTION	REMARK
	JAN. / III-112	A-115 / JAN.	TYPE A
	STUDY / III-111	A-116 / STUDY	TYPE A
	2BR (HC) / III-130	A-117	TYPE A
	4BR / III-138	A-118	TYPE A
	4BR / III-131	A-119	TYPE A
	4BR / III-137	A-120	TYPE A
	4BR / III-132	A-121	TYPE A
	4BR / III-136	A-122	TYPE A
	4BR / III-133	A-123	TYPE A
	4BR / III-135	A-124	TYPE A
	4BR / III-134	A-125	TYPE A
	STAIR #4 / III-120	A-126A / STAIR #4	(2) TYPE A: ONE AT EACH DOOR
	HONOR DORM / III-143	A-126	TYPE A
	HONOR DORM / III-144	A-127	TYPE A
	HCT / III-106	A-128	TYPE B
	STAIR #1 / III-217	A-201 / STAIR #1	TYPE A
	MECH/ELEC #3 / III-219	A-202 / MECH. #3	TYPE A
	4BR / III-225	A-203	TYPE A
	4BR / III-242	A-204	TYPE A
	4BR / III-226	A-205	TYPE A
	4BR / III-241	A-206	TYPE A
	4BR / III-227	A-207	TYPE A
	4BR / III-240	A-208	TYPE A
	4BR / III-228	A-209	TYPE A
	4BR / III-229	A-210	TYPE A
	2BR (HC) / III-229	A-211	TYPE A
	R/A #1 / III-207	A-212 / R/A #1	TYPE A
	STO. #2 / III-224	A-213A / STOR. #2	TYPE A
	MECH/ELEC #2 / III-214	A-213B / MECH. #2	TYPE A
	LAUNDRY / III-213	A-213 / LAUNDRY	TYPE A
	R/A #2 / III-208	A-214 / R/A #2	TYPE A
	JAN. / III-212	A-215 / JAN.	TYPE A
	STUDY / III-211	A-216 / STUDY	TYPE A
	2BR (HC) / III-230	A-217	TYPE A
	4BR / III-238	A-218	TYPE A
	4BR / III-231	A-219	TYPE A
	4BR / III-237	A-220	TYPE A
	4BR / III-232	A-221	TYPE A
	4BR / III-236	A-222	TYPE A
	4BR / III-233	A-223	TYPE A
	4BR / III-235	A-224	TYPE A
	4BR / III-234	A-225	TYPE A
	STAIR #4 / III-220	A-226A / STAIR #4	TYPE A
	MECH/ELEC #1 / III-222	A-226B / MECH. #1	TYPE A
	HONOR DORM / III-243	A-226	TYPE A
	STO. #1 / III-223	A-227A / STOR. #1	TYPE A
	HONOR DORM / III-244	A-227	TYPE A
	TOILET	A-228 / TOILET	TYPE A
	DIRECTOR	A-229 / DIRECTOR	TYPE A

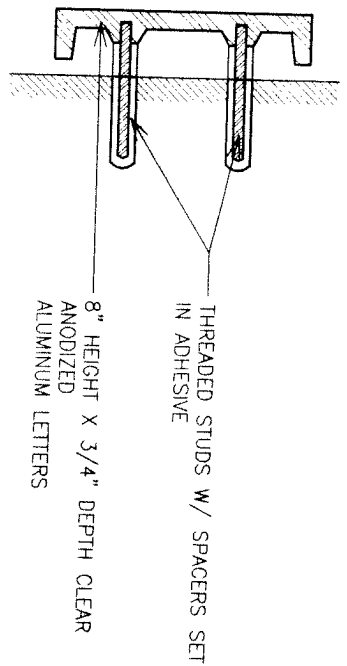
Project
NEW DOMITORY BUILDINGS
ST. LOUIS JOB CORPS CENTER
 4533 GOODFELLOW BLVD.
 ST. LOUIS, MISSOURI



MAK ARCHITECTS, INC.
 ARCHITECTURE PLANNING • INTERIOR DESIGN
 5322-N Olive Blvd., St. Louis, Missouri 63132
 (314) 997-3802 Fax (314) 998-3761

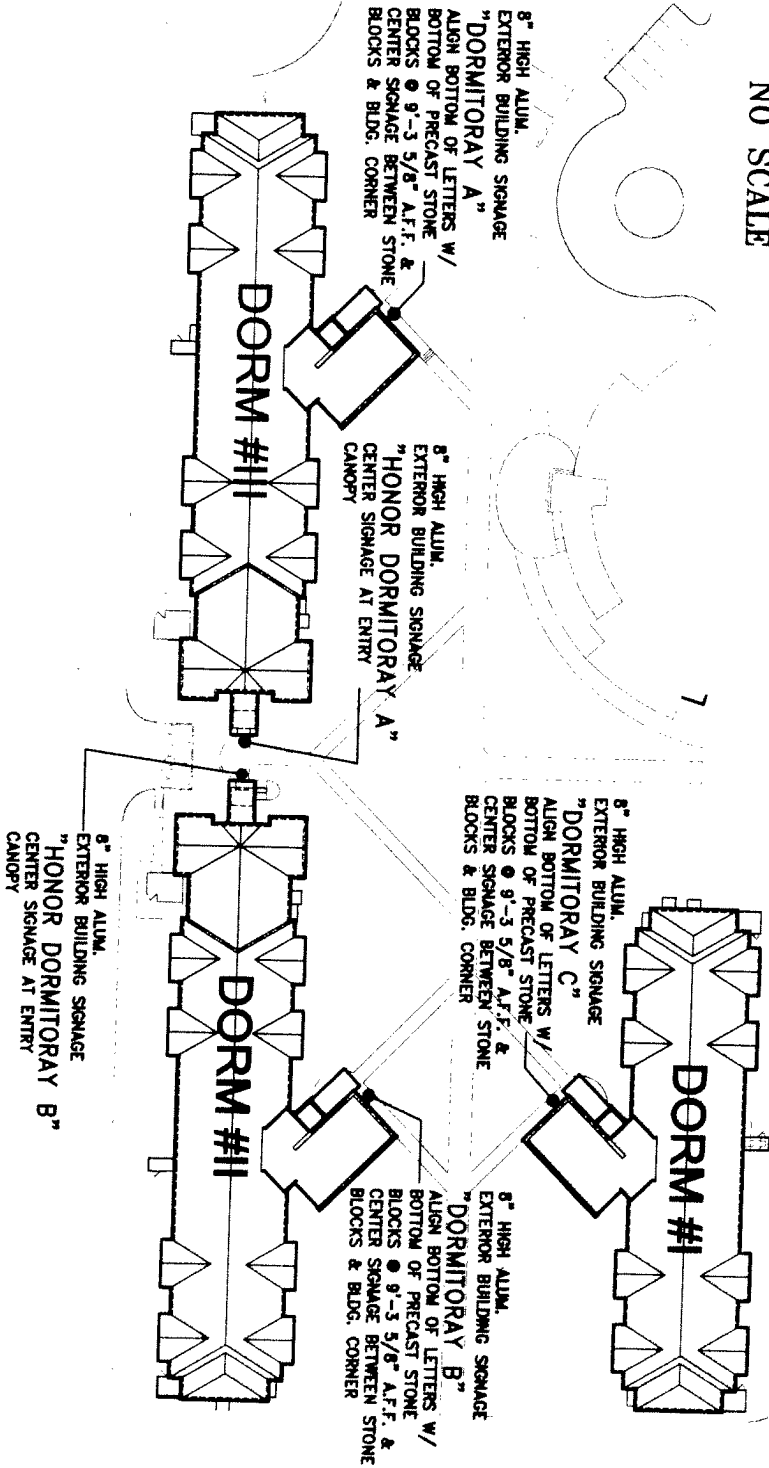
Comm. No. 12040	Drawing No. AMEND #2-2
Date 7-9-09	

- EXTERIOR SIGNAGE SYSTEM:**
1. CAST ALUMINUM IN CLEAR ANODIZED FINISH.
 2. LETTERSTYLE: TIMES BOLD.
 3. LETTER CAP HEIGHT: 8".
 4. LETTER DEPTH: 3/4".
 5. MOUNTING METHOD: PROJECTING.



SIGNAGE MOUNTING DTL.

NO SCALE



BUILDING SIGNAGE LOCATION

NO SCALE

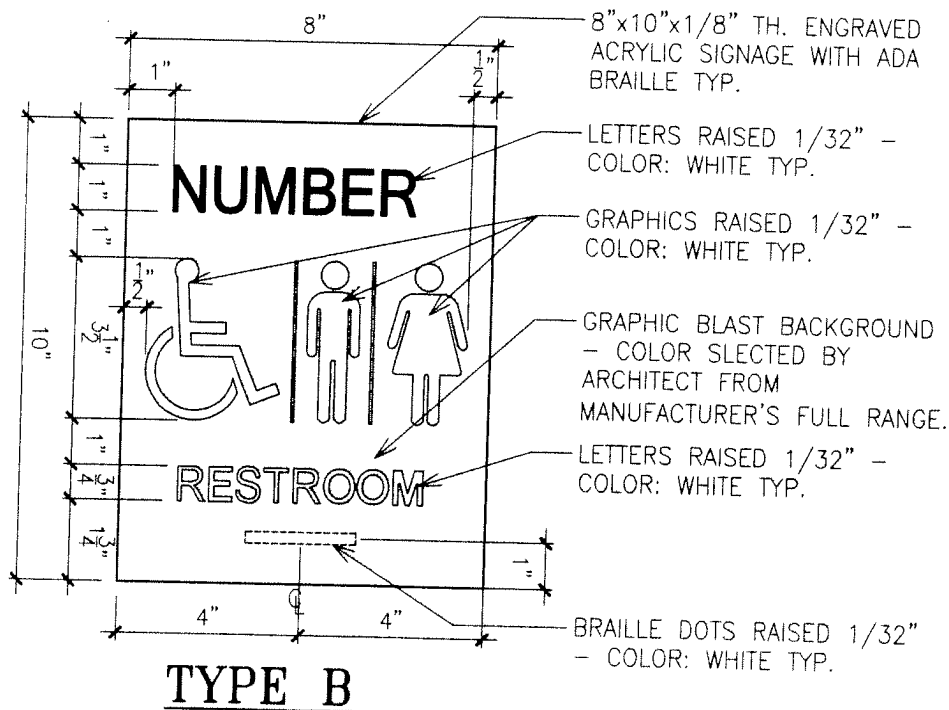
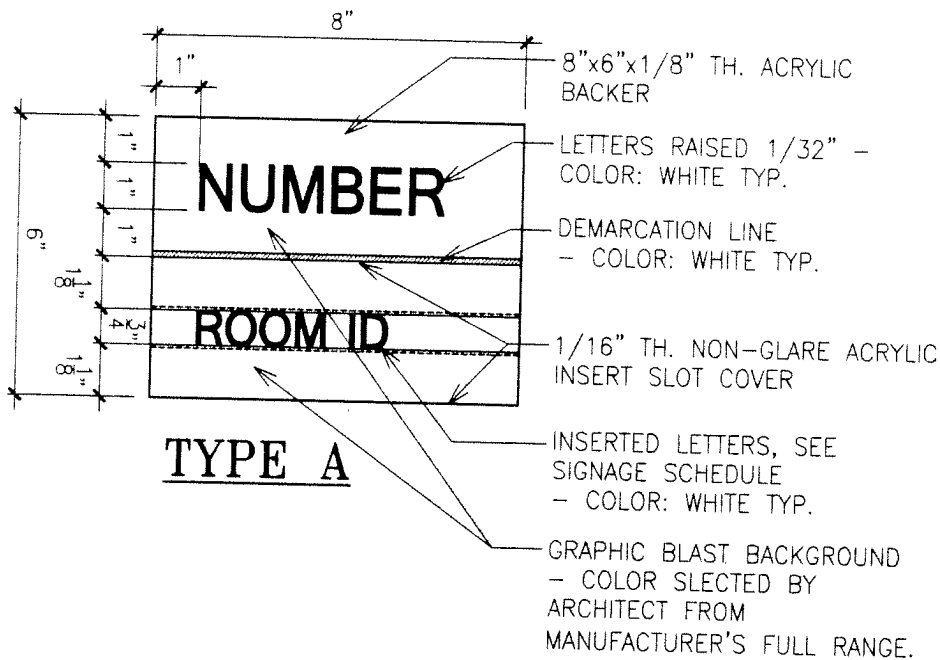
Project
NEW DOMITORY BUILDINGS
ST. LOUIS JOB CORPS CENTER

4333 GOODFELLOW BLVD.
ST. LOUIS, MISSOURI



MAK ARCHITECTS, INC.
ARCHITECTURE PLANNING • INTERIOR DESIGN
8808 N. Olive Blvd., St. Louis, Missouri 63108
(314) 897-8808 Fax (314) 898-8781

Comm. No. 12040	Drawing No.
Date 7-9-09	AMEND #2-3



NOTE: 1. SIGNAGE SHALL BE INSTALLED ALONG THE CENTERLINE OF DOOR OR 1" FROM BORROW LIGHTS AT A HEIGHT OF 60" A.F.F. TO THE CENTERLINE OF SIGN.

2. ALL LETTERS, NUMBERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND, LIGHT CHARACTERS ON A DARK BACKGROUND. CHARACTERS AND BACKGROUND SHALL HAVE A NON-GLARE FINISH.

3. ROOM ID INSERTS SHALL BE PROVIDED BY SIGNAGE CONTRACTOR AND MATCH SIGNAGE SCHEDULE. WHERE ROOMS ARE NOT ASSIGNED ROOM ID, CONTRACTOR TO PROVIDE BLANK ID INSERTS FOR FUTURE USE.

ROOM IDENTIFICATION SIGNAGE

SCALE: 3"=1'-0"

NOTE: THIS DRAWING SHALL SUBSTITUTE SIGN DTLS.
1/A2-1, 2/A2-1 & 3/A2-1 OF SHEET A2-1

Project
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MAK ARCHITECTS, INC.
ARCHITECTURE PLANNING • INTERIOR DESIGN
8828-N Olive Blvd., St. Louis, Missouri 63126
(314) 897-8802 Fax (314) 898-5700

Comm. No.
1204D

Drawing
No.

Date 7-9-09

AMEND #2-4

DOL Solicitation #DOL099RB20702

Plan available 6-3-2009 at Mak Architects' Office

Site Walk-thru at 6-17-2009 1PM CDT

Bid Open at Mak Architects' Office Jul-22-09 2PM CDT

NAICS

236220

Small Business

Standard

100% Small Business Set Aside

Request must be in writing and a \$500 refundable bid-deposit in form of check payable to USDOL

Plan #	Works	Check Rec	Bidder's name/Address/Email/Phone/Fax	Pick Up/Date	Send to/Date
1	general	√	Hummel Construction, 127 E. Main Street, Ravenna, OH 44266 P330.296.7316; F330.296.7780	6-3 pick up	6-3 UPS
2	general	√	Morrissey Construction, 705 South Moor Place, P.O. Box 189, Godfrey, IL 62035 P618.466.3112; F618.466.9284 ryanmorrissey@morrisseyconstruction.com	6-3 pick up	3-Jun
3	general	√	Morrissey	6-3 pick up	3-Jun
4	general	√	Raineri Construction 5400 Devonshire Ave, St. Louis, MO 63109 P314.667.5913; F314.667.5638	6-3 pick up	3-Jun
5	general	√	Castle Contracting 760 south 2nd St, St. Louis, MO 63102 P314.421.0042; F314.231.9157 jamie@castlestl.com	6-3 pick up	3-Jun
6	general	√	Brinkmann Construction 16650 Chesterfield Grove Rd St.100, MO63005 P636.537.9700; F636.537.9880 Kevin.Lasater@AskBrinkmann.com	6-3 pick up	3-Jun
7	general	√	Volk Construction 1737 Mackland Ave. MO 63110 P314.776.8655; F314.776.1189 msy@volkcc.com	6-4 pick up	4-Jun
8	general	√	HOF Construction 3137 Jameson St. Louis, MO 63139 P314.645.2200; F314.645.2653	6-4 courier	4-Jun
9	general	√	HOF Construction	6-3 courier	4-Jun
10	general	√	J.E. Novack Construction, 1144 Olivette Executive Pkw, Ste 100 MO63132 P314.567.6100; F314.567.0809 JENOVACK@JENOVACK.COM	6-4 pick up	4-Jun
11	general	√	KCI Construction 10315 lake Bluff Dr, STL, MO 63123 p314.894.8888; F314.894.7418 tomhuster@kciconstruction.com	6-4 pick up	4-Jun
12	general	√	Greenlead Construction 3303 Gillham Rd, Kansas City, MO64109 P816.333.3445; F816.333.3449 bill@greenleafconst.com	6-5 pick up	5-Jun
13	general	√	Walton Construction 16024 Manchester R, Ste 111, Ellisville MO 63011 P636.594.2220; F636.594.2240 melissagockel@waltonbuilt.com	6-8 pick up	8-Jun
14	general	√	James Construction 243 East Main St, Ste 203, Carnegie, PA15106 P412.278.3720; F412.278.3721	6-8 FedEx	6-8 FedEx

15	general	√	Propipe Corp, 9832 Reavis Rd, STL, MO 63123 P314.638.7000	6-8 pick up	8-Jun
16	Plan Rm	Waive	AGC of Missouri/ePlan, 1221 Jefferson ST., Lower Level, Jefferson city, MO65109 P573.634.5874; F573.634.5875 gwehmeyer@agcmo.org	6-10 FedEx	6-10 FedEx
17	sub	√	Berkeley Lumber, St. Louis, MO 63134(on behalf Of KCI)	6-10 pick up	10-Jun
18	sub	√	Bieg Plumbing, 2015 Lemay Ferry Rd, St. Louis, MO63125	6-10 pick up	10-Jun
19	sub	√	Premiere Hardwoods, 4261 Crescent Ind.DR., Granite City. IL62040 jschuler@premierehardwoods.com	6-10 pick up	10-Jun
20	sub	√	Con-Tech Building Components, Inc. 366 W. Fourth Street, Eureka, MO 63025 P636.366.9100; F636.366.9030 donmolitor@contechtruss.com	6-10 pick up	10-Jun
21	general	√	R.G.Ross Construction,4079 Bayless Ave, St. Louis, MO 63125 P314.638.9255; kellyg@rgross.com	6-10 pick up courier	10-Jun
22	sub	√	Kay-Bee Electrical Contractor, 250 Reu St., Francois, Florissant, MO 63031 P314.837-3308 jfk@kaybeeelectric.com	6-11 pick up	11-Jun
23	sub	√	Wm.G.Cocos Co. Inc. Complete Plumbing Service, 738 Lemay Ferry Rd, STL,MO63125 P314.631.2688; F314.631.2791	6-11 pick up	11-Jun
24	Plan Rm	waive	Dodge Plan Room, 1702 Broadway, Kansas City, MO64108 P866.223.3876x16; F800.465.7009 roger_davidson@mcgraw-hill.com	6-11 pick	11-Jun
25	sub	√	Schneider Electric Company, 6115 Eveline, STL, MO63139 P644.4700x326; F314.446.7568 rreichert@schneiderelec.com	6-11 pick up	11-Jun
26	sub	√	Sundermeyer LTD, 12896 Pennridge Dr., Bridgeton, MO 63044 P314.344.3288; Jeff@sundermeyerltd.com	6-15pick up	15-Jun
27	sub	√	Trojahn Olumbing Systems, 1601 Sublette Ave., STL, MO63110 P 314.333.3363; F314.333.3370 sidt@trojahnplumbing.com	6-15 pick up	15-Jun
28	sub	√	Crown Electrical Contracting, 3630 s. Broadway, STL MO 63118 P 314.865.3888 jbarr@crownelectrical.com	6-15 pick up	15-Jun
29	sub	√	DeLuca Plumbing, L.L.C. Mechanical Contractors, 8465 Delport Dr. STL MO 63114 P 314.427.5551; F 314.427.1137	6-15 pick up	15-Jun
30	general	√	Knoebel Construction, Inc. 801-805 N. 2nd Street, Ste 204, STL MO 63102 P 314.421.3511; F 314.421.5052 rvenhaus@knoebelcon.com	6-16 pick up	16-Jun
31	Plan Rm	waive	Construction Assistance Program P 314.645.3398; F 314.645.3899 CAP@stlouis.missouri.org	6-16 pick up	16-Jun
32	sub	√	Perfection Steel Erection, 1334 Lonedell Road, Arnold, MO 63010 P 565-5738 Greg.Anderson@perfectionsteelerection.com	6-16 pick up	16-Jun

33	sub	√	Haberbergerinc Mechanical Contractors, 9744 Pauline Place, STL, MO63123 janb@haberbergerinc.com	6-16 pick up	16-Jun
34	sub	√	Hanenkamp electric Company, International Plaza Court, P.O. Box 160 St. Ann MO 63074 p 314.423.2666	6-16 pick up	16-Jun
35	sub	√	Finch Plumbing Co. Inc. 727 spirit of St. Louis Blvd., Chesterfield, MO 63005 P 636.532.4666 finchjim@earthink.net	6-16 pick up	16-Jun
36	sub	√	Imperial Ornamental Metal Co, Inc. 635 So. old Hwy 141, Box 733, Fenton, MO63026 p 636.343.8825; office@iom-inc.com	6-17 pick up	17-Jun
37	General	√	Paric Preconstruction Services, P 636.561.9530; F 636.561.9503 JCSmith@paric.com	Pick up courier	18-Jun
38	"	√	Paric Preconstruction Services,	Pick up courier	18-Jun
39	sub	√	Stark Truss Company, 714 Autumn Glen Lane Wentzville, MO 63385 P 330.478.2100	6-18 pick up	18-Jun
40	sub	√	Powertech Elecyric, Inc 159 Chesterfield Ind. Blvd., Chesterfield. MO63005 P 636.532.9495; F 636.530.1855	6-19 pick up	19-Jun
41	General	√	Castle Contracting 760 south 2nd St, St. Louis, MO 63102 P314.421.0042; F314.231.9157 jamie@castlestl.com	6-22 pick	22-Jun
42	sub	√	Frueh Services, 9 Progress Dr. Union, MO 63084 P 636.583.3780; F 636.583.2338	6-22	UPS
43	Plan Rm	waive	iSqFt Plan Room, 78Weldon Parkway, Maryland Heights MO 63043 Mike Seidel C314.220.5135; P636.728.5135 bsharma@ISQFT.COM	6-19 pick up	6-19 FedEx
44	DOL		DOL		
45	DOL		DOL		
46	plan Rm	waive	Reed Construction Data, 30 Technology Pkwy S., Suite 500, Norcross, GA 30092	6-22 ordered	UPS
47	sub	√	Consolidated electrical & Mechanicals, 1432 Kingsland, MO 63133 P 314.721.2530 F 314.721.4517	6-23 pick up	23-Jun
48	sub	√	Corrigan Co, Plumbing, 3545 Gratiot, STL MO 63103 P 314.881.6392; F 776.5643	6-23 pick up	23-Jun
49	general	√	Gundaker Commercial Group, p 314.220.5135	6-23 pick up	23-Jun
50		√	KisaQ, 11990 Grant Street, Northglenn, CO 80233 P 303.920.9340; F303.255.3105	6-23 pick up	6-24 FedEx

51	general	√	Hankins Construction	6/24 pick up	24-Jun
52	general	√	Hankins Construction	6/24 pick up	24-Jun
53	general	√	Interface,	6-24 pick up	24-Jun
55	sub	√	American electric & Data, 112 Saint Charles Street, M) 63365 P: 636.398.8811	6-25 pick up	25-Jun
56	general	√	ICR Construction Services, 12741 St. Charles Rock Rd. Bridgeton, MO 63044	6-29 pick up	29-Jun
57	sub	√	Gypsum Associates, 5500 Heege Rd., St. Louis, MO 63123 P: 314.351.0445	6-29 pick up	29-Jun
58	sub	√	Kupferer Bros. Ornamental, 8701 Grant, St. Louis, Mo 63123 P:314.843.6030	6-29 pick up	29-Jun
59	sub	√	Von Alst Operating, (drywall) 2146 Smelting Works Rd, Swansea, IL62226 P:318.234.0477	6-29 pick up	29-Jun
60	sub	√	Stone Fabricators,4084 Bingham Ave., STL, MO 63116 P:314.776.7776	6-30 pick up	30-Jun
61	sub	√	Kardell Plumbing, 5624 south Compton, STL, MO 63111 P: 314.352.2202; F:314.352.2638	6-30 pick up	30-Jun
62	sub	√	Marble & Granite Worldwide, 2117 Sams Dr., Des Peres, MO 63131 P: 314.966.4747	7-1 pick up	1-Jul
63	sub	√	St. Louis Electric, Inc. 400N. 4th Street, STL, MO 63102 P: 314.534.3000	7-2 pick up	2-Jul
64	sub	√	R.G. Ross, 4079 Bayless Ave., STL, MO 63125 P: 314.638.9255; F: 314.638.3021	7-2 pick up	2-Jul
65	sub	√	MCI Mechanical Contractors, Inc. 227 Ferry St, Fenton, MO 63026 P: 314.367.7055;	7-2 pick up	2-Jul
66	gen	√	Poettker Construction, 380 south Germantown Rd., Breese, IL 62230 P: 618.526.7213, 314.994.0004	7-2 pick up	2-Jul
67	gen	√	Poettker Construction	7-2 pick up	2-Jul
68	sub	√	Earley Plumbing Inc, 805 Phaeton Dr., Manchester, MO63021 P: 636.394.7968; F:636.394.7969	7-2 pick up	2-Jul
69	sub	√	Dickherber Electric, 1708 S. Fifth St., St. Charles, MO 63302 P: 636.946.6432; F: 636.946.1037	7-6 pick up	6-Jul

70	sub	√	American Direct, Operating Account, 11000 Lakeview Ave., Lenexa, KS 66219 P:800.593.5310	7-8 pick up courier	8-Jul
71	sub	√	RJP Electric, 3608 South Big Bend Blvd., STL, MO 63143	7-9 pick up	9-Jul
72	sub	√	E & M Plumbing, 101 Dreyer Ave., Eureka, MO 63025 P: 636.938.1311	7-8 pick up	8-Jul
73	sub	√	Total Lock & Security, 11772 Westline Ind. Dr., STL, MO 63146 P: 314.298.3433; F: 314.298.0944	7-8 pick up	8-Jul
74	sub	√	Fronabarger Plastering Inc., 2326 Gloucester Rd, High Ridge, MO 63049	7-9- pick up	9-Jul
75	sub	√	Scott-Lee, 11010 Gravois Industrial Court, St. Louis, MO 63128 P: 314.756.9444	7-9 pick up	9-Jul
76	sub	√	Missouri Valley Glass Co., 3080 Point Industrial Dr., St. Charles, MO 63301		
77	general	√	C Rallo construction, 5000 Kemper, STL, MO 63139		
78	Sub	√	Christian Brothers, POBox 37, Addieville, IL 62214		
	sub	reserve	Mercury construction & Communication Inc. p 314.581.0760		
	sub	reserve	Computer Cable Connection		
	sub	reserve	Scaife Plumbing		
	sub	reserve	KylCo		